

In The Claims:

1. (Currently Amended): A method of operating a tire pressure monitoring system for a vehicle having a plurality of tire locations and a memory comprising:

generating an ignition signal;

generating a brake condition signal;

entering a learn mode in response to the ignition signal and the brake condition signal, wherein the learn mode learns a plurality of transmitter identifications, where each transmitter identification is associated with one of the plurality of tire locations.

2. (Original): A method as recited in claim 1 wherein the ignition condition signal transitions from an off state to an on state, further comprises counting the transitions, and entering the learn mode after a predetermined number of transitions.

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cont.
[3] (Original): A method as recited in claim 2 wherein counting comprises counting the number of transitions before and after generating the brake condition signal.

[4] (Original): A method as recited in claim 3 wherein the predetermined number comprises three.

[5] (Original): A method as recited in claim 3 wherein generating a brake condition signal comprises generating a brake transition signal.

6. (Original): A method as recited in claim 1 further comprising generating a first display signal indicative of a first tire location in response to entering the learn mode.

7. (Original): A method as recited in claim 6 further comprising activating a timer in response to entering the learn mode.

8. (Original): A method as recited in claim 7 further comprising when a first transmitter identification signal is received before a predetermined time counted by the timer, resetting the timer and generating a second display signal indicative of a second tire location.

9. (Original): A method as recited in claim 8 further comprising receiving a second transmitter identification signal.

10. (Original): A method as recited in claim 9 further comprising associating the first identification signal with a first tire location and a second identification signal with a second tire location.

11. (Currently Amended): A method as recited in claim 10 wherein at least one of the first tire location and the second tire location comprises a spare location.

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cont.
12. (Currently Amended): A method of operating a tire pressure monitoring system for a vehicle having a plurality of tire locations and a memory comprising:

generating an ignition signal;

generating a brake condition signal;

generating a speed signal;

entering a learn mode in response to the ignition signal, the brake condition signal, and the speed signal, wherein the learn mode learns a plurality of transmitter identifications, where each transmitter identification is associated with one of the plurality of tire locations;

thereafter, sequentially

generating a plurality of display signals indicative of the respective plurality of tire locations;

activating a timer; and

when the plurality of transmitter identification signals are received before a predetermined time counted by the timer, associating the respective plurality of identification signals with the respective plurality of locations in a memory.

13. (Original): A method as recited in claim 12 further comprising generating a status signal indicative of a successful process in response to the step of associating.

14. (Currently Amended): A method as recited in claim 12 further comprising when during the steps of generating or activating, the speed is greater than a predetermined speed leaving the learn mode;

~~A method as recited in claim 12 further comprising when during the steps of generating or activating, the ignition is off leaving the learn mode.~~

15. (Original): A method as recited in claim 12 wherein at least one of the plurality of locations comprise a spare location.

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cont.
[16] (Currently Amended): A tire pressure monitoring system for a vehicle comprising:

an ignition switch generating an ignition signal;

a brake switch generating a brake condition signal;

a counter coupled to said ignition switch counting a count of ignition signal transitions

a plurality of tires having a respective plurality of tire transmitters generating a respective plurality of transmitter identification signals; and

a controller coupled to said counter, said controller entering a learn mode in response to the count and the brake condition signal, wherein the learn mode learns a plurality of transmitter identifications, where each transmitter identification is associated with one of the plurality of tire locations.

17. (Currently Amended): A system as recited in claim ~~[[17]]~~ 16 further comprising a display for signaling a desired action, wherein said controller generates a plurality of display signals on the display indicative of the respective plurality of tire locations; activating the timer; when a the plurality of transmitter identification signals are received before a predetermined time counted by the timer.

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18. (Currently Amended): A system as recited in claim ~~[[18]]~~ 17 further comprising a memory; and associating the respective plurality of Identification signals with the respective plurality of locations in a memory.

19. (New): A method as recited in claim 12 further comprising when during the steps of generating or activating, the ignition is off leaving the learn mode.
